Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

Estimate Cost Rs.100 Lakhs

Name of Work: Providing and Improvments Drinking Water Facilities In Ward No.13 Mallasandra

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
PART-1								
KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water cum supply, sanitary lines and electrical conduits either in pits or in trenches1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m.after breaking of clods complete as per specifications,specification. No. KBS 2.1(b)/2:3.5								
RO Plant-2 UNITS	Cum							
For Footing		8	2.00	2.00	2.20	70.40		
For SSM Foundation								
Wall		2	16.50	1.00	1.00	33.00		
Front Platform		2	4.70	1.50	0.20	2.82		
					Total Qty	106.22		
Deduction		8	0.20	0.45	1.00	0.72		
					Total Qty	0.72		
For 2 Units of RO Plant Total Qty						105.50	405.64	42795.02
KSRB 4-1.2 : Providing and laying in position plain cement concrete of cum mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2								
RO Plant	Cum							
For Footing		8	1.80	1.80	0.15	3.89		
For SSM Foundation								
long wall		2	16.50	1.00	0.15	4.95		
For Flooring		2	4.30	3.55	0.15	4.58		
Front Platform		2	4.70	1.50	0.15	2.12		
					Total Qty	15.53		
Deduction		8	0.20	0.45	0.15	0.11		
					Total Qty	15.42	5449.68	84058.59
KSRB 5.2-2 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13								
RO Plant	Cum							
For SSM Foundation		2	16.50	0.80	0.40	10.56		
Wall		2	16.50	0.60	0.40	7.92		
					Total Qty	18.48		
Dedection		8	0.20	0.45	0.80	0.58		
Column					Total Qty	0.58		
					Total Qty	17.90	4521.96	80961.17

Scanned by CamScanner

SRB 5.3-3: Providing and constructing granite / trap / basalt size stone masoniy in basement with ement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond ones at 2m. apart in each course including cost of materials, labour, curing complete as per pecifications. KBS 5.1.13)								
RO Plant								
or SSm Foundation								
Vall	Cum	2	16.50	0.45	0.40	5.94		
ront Platform		2	3.00	0.45	0.20	0.54		
					Total Qty	6.48		
)edection								
Column		8	0.20	0.45	0.40	0.29		
					Total Qty	0.29		
					Total Qty	6.19	5405.40	33470.24
SRB 4.2.1: Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super piasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspiliars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1,4.6								
RO Plant								
For Footing								
F1		8	1.80	1.80	0.45	11.66		
Cloumn up to plinth level	Cum							
C1		8	0.20	0.45	1.65	1.19		
Plinth Beam								
Wall		2	16.50	0.20	0.40	2.64		
					Total Qty	15.49	6718.68	104085.79
KSRB 2.3: Filling available excavated earth (excluding rock) in sides cum of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification. No. KBS 2.9								
RO Plant						52.75		
50% of Total Earth Excavation	Cum				Total Qty	52.75	137.16	7235.19
KSRB 2.5 : Earthwork excavation in all soil deposits and filling sides of foundation upto plinth in layers not exceeding 20cms. in depth, compacting each deposited layer by ramming after watering with all lead and lift including cost of all labour complete as per specifications, specification. No. KBS 2.9.9/2.9.10.1/2.1.1								
RO Plant		2	4.30	3.55	1.10	33.58		
For Flooring	Cum				Total Qty	33.58	274.32	9,212.49

Scanned by CamScanner

	KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, Unties, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fiHets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications,specification No. KBS 4.1, 4.6								
	RO Plant								
	Column								
	C1		8	0.20	0.45	3.00	2.16		
	Lintel Beam								
	wall		2	16.50	0.20	0.15	0.99		
	Roof Beam								
	Beam 1	Cum	4	5.70	0.20	0.35	1.60		
	Beam 2		4	3.55	0.20	0.35	0.99		
	Roof Slab								
	Slab		2	5.70	3.75	0.15	6.41		
						Total Qty	**12.15**	**6876.36**	**83564.96**
	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded cum granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, nciuding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2								
	RO Plant								
	Copping								
	Foundation	Cum	2	16.50	0.45	0.10	1.49		
	Front Platform		2	4.70	1.50	0.10	1.41		
						Total Qty	**2.90**	**5876.28**	**17011.83**
0	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2								
	For Footing for RO Plant								
	Column Footing								
	F1	Sqm	8	7.20		0.45	25.92		
						Total Qty	**25.92**	**249.48**	**6466.52**
1	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, Sqm. propping etc., for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2								
	For Columns for RO Plant								
	C1	Sqm	8	1.40		4.70	52.64		
						Total Qty	**52.64**	**395.28**	**20,807.54**
2	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons.up to 3.50m from Ground level. Specification No. KBS 4.6.2								

Scanned by CamScanner

RO Plant								
Roof Slab	Sqm	2	5.70	3.75		42.75		
Roof Beam Bottom								
Beam 1		4	1.00		0.20	0.80		
					Total Qty	**43.55**	**338.04**	**14,721.64**
KSRB 4-6.9 Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2								
RO Plant								
Roof Slab Edges	Sqm	2	18.90		0.16	6.05		
					Total Qty	**6.05**	**732.24**	**4,428.59**
KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, Sqm propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2								
RO Plant								
Plinth Beam								
wall		2	16.50		0.70	23.10		
Lintel Beam								
wall	Sqm	2	16.50		0.40	13.20		
Roof Beam								
Beam 1		4	5.70		0.70	15.96		
Beam 2		4	3.55		0.70	9.94		
					Total Qty	**62.20**	**276.48**	**17,197.06**
5 KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 TMT bars Fe 500								
RO Plant								
Steel								
For One Cum 140Kgs of Concrete Qty Sl no 5	Tonne	2	2.17			2.17		
For One Cum 140Kgs of Concrete Qty Sl		2	1.70			1.70		
					Total Qty	**3.87**	**65455.56**	**253328.07**
16 KSRB 5-14: Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200mm having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to JS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 \ including cost of ail materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No.54.(Page No. 25, It No. 5.26.1 of KPWD S.R 2016-17)								
RO Plant								
Wall		2	16.50		2.70	89.10		
wall					**Total Qty**	**89.10**		
Deduction	Sqm	2	2.40		2.60	12.48		
Rolling Shutter					**Total Qty**	**12.48**		
					Total Qty	**76.62**	**1011.96**	**77,536.38**

Scanned by CamScanner

KSRB 5-15: Providing and constructing non load bearing wall with solid Sqm concrete blocks of size 400x100x200mm having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No.5.4.(Page No. 25, It No. 5.28 of KPWD S.R 2016-17)								
RO Plant								
Parapet Wall	Sqm	2	18.90		0.70	26.46		
					Total Qty	**26.46**	**773.28**	**20,460.99**
KSRB 7.5 : Providing and fixing pull and push type rolling shutters of approved make out of 18 guage, 75mm wide cold rolled steel laths of convex corrugation, with side guides and bottom rail, with interlocking arrangements for steel laths by means of alternate clips; suspension shaft with High tension coil type springs two numbers, mounted on specially designed pipe shaft, with bracket plates, guide channels, ball bearing arrangements, for inside & outside locking with push & pull operations complete including pulling hooks, 4Nos. handles with all fittings and accessories, painted with a coat of red lead paint (without top cover) cost of materials, labour, HOM of machinery complete as per specifications. Shutter size 3mx2.8 m Specification No. KBS 7:107 7.12								
RO Plant								
Rolling Shutter	Sqm	2	2.40		2.60	12.48		
					Total Qty	**12.48**	**3090.96**	**38,575.18**
KSRB 7.6 : Providing and fixing top covers made out of 20 guage M.S. sheet over pull and push rolling shutters bent to shape including cost of red lead primer coat of painting , materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 7.10.6/7.12								
RO Plant								
Rolling Shutter	M	2	2.40			4.80		
					Total Qty	**4.80**	**510.84**	**2,452.03**
KSRB 15-3.10 : Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, including providing and removing scaffolding, cost of materials, labour, curing etc., complete as per specification.								
RO Plant								
Out Side								
Wall		2	17.40		3.15	109.62		
Parapet Wall		4	19.00		0.80	60.80		
Front Platform		2	3.00		0.70	4.20		
	Sqm				**Total Qty**	**174.62**		
Deduction								
Rolling Shutter		2	2.40		2.60	12.48		
					Total Qty	**12.48**		
					Total Qty	**162.14**	**252.72**	**40976.02**
KSRB15-3.7 : Providing 18mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specification								
RO Plant								
In Side								
Wall		2	15.70		3.00	94.20		
					Total Qty	**94.20**		

Scanned by CamScanner

Deduction	Sqm							
Rolling Shutter		2	2.40		2.60	12.48		
					Total Qty	12.48		
					Total Qty	81.72	263.52	21534.85

KSRB 15-3-13 : Providing 12mm thick cement piaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, including providing and removing scaffolding, cost of materials, labour, curing etc., complete as per specification.

RO Plant								
Celling								
Room	Sqm	2	4.30	3.55		30.53		
Front Side Roof Slab		2	4.70	1.00		9.40		
					Total Qty	39.93	208.44	8323.01

KSRB 7.15 : Providing, fabricating, assembling and fixing in position aluminium partitions using aluminium sections of mat finish or glassy finish in combination of plain grove, single grove and double grove as per requirements for the frames of overall size 63.5mm x 38.1 mm. with thickness of 2mm. having section weight, plain sections 1.054kg/m, single grove thickness 1.95mm. section weight 1.094kg/m» double grove thickness 1 9mm section weight 1.094kg/m and bottom member 114.3 mm. x 44.45mm. thickness 3.18mm. weight 2.646 kg/m; aluminium louvres section of size 36. 5mmx34.93mm 1.45mm. thick section weight 0.429kg/m; bottom portions provided with 12mm. thick prelaminated sheet both sides of approved colour lamination exterior grade upto G.9m height, spacing of vertical member not exceeding 0.6 m. c to c; sections are cut to the required lengths, joints mitered and corners grinded subdividing frames tennoned and rivetted to the frames; the assembled frame stiffened with corner angles, stripped and fixed with screws, raw! plugs and teak wood gutties to R.C.C.columns on sides, R.C.C. lintels or beams at top and floor at bottom, including cutting chistelling and making good with cement mortar to match the surface; providing and fixing 5.5mm. thick plain glass for middle portion viz., fr.9m. to 2.13 m. and top panel with louvres sections; the glass and panels fitted with glazing clips of 19mmx17.3mm. of thickness 0.9mm. weight 0.124kg/m, aluminium sections treated for removal of any rust and prevention of further rust formation, coated with greasy materials for non-adherence of mortars or any other sticky materials; vertical members embedded in the flooring by making suitable sized holes and fixing with cement mortar, with necessary opening for fixing of door of standard size (excluding cost of door) all the frame thoroughly cleaned, free from rust, scale or dirt including cost of materials, fixtures, labour and HOM of machinery complete as per specifications.using aluminium section powdered coated to a minimum of 60-70 microns with exterior durable pure polyester grade powder of approved quality.

RO Plant								
Partitions	Sqm	2	4.00		2.80	22.40		
					Total Qty	22.40	3566.16	79,881.98

24

KSRB 7.17 : Providing, fabricating, assembling and fixing in position aluminium doors using following, aluminium mat finish or glossy finish, outer frame plain section 101.6x44.45mm thickness . 3.18mm, section weight 2.404 kg/m, door shutters vertical section 44.62x44.45mm thickness 3.18mm, section weight 1.505kg/m, top . section 47.62x44.45mm thickness 3.00mm, section weight 1.426kg/m bottom section 114.3x44.45 thickness 3.18mm, section weight 2.646kg/m, door central section 49.91 x44.45mm thickness 3.00mm, section weight 1.495 kg/m glazing clips 19x17.3x11 mm thickness 0.9mm section weight 0.124kg/m; aluminium sections cut to length joint metred corners grinded, the shutters pivoted opening arrangement with heavy duty aiuminium alloy automatic door closures floor mounted, providing and fixing standard approved accessories, such as aluminium handle for full width or length, tower bolts, lock, pivots: P.V.C. or rubber gasket with 5.5m. thick plain glass for top and bottom panel; aluminium sections treated for removal of any rust and prevention of further rust formation, and coated with greasy materials for n on-ad h era nee of mortars or any other sticky materials; the assembled frame fitted with the corner angles, strips and fitted with screws, rawl plugs orteakwood gutties to R.C.C. columns or masonry on sides, beams and flooring in bottom, including cutting, chistling and making good with cement mortar to match the surface; all the frames throughly cleaned free from rust, scale, or dirt including cost of materials, fixtures, labour and HOM of machinery complete as per specifications.using aluminium section powdered coated to a minimum of 60-70 microns with exterior durable pure polyester grade powder of approved quality.

Scanned by CamScanner

RO Plant Aluminium Doors	Sqm	2	1.00		2.10	4.20		
					Total Qty	4.20	6814.80	28622.16
Providing and fixing Special make glazed Vitrified tiles (Granomite Sqm finish) of approved make, quality and colour of size 600x600x10mm thick fixed on existing flooring with a special adhesive for flooring, skirting and jointed with neat cement slurry mixed with pigment to match shade of tiles, including providing spacers at required interval and removing stains etc., cost of materials, mortar, labour etc., completeas per specification.								
RO Plant Room	Sqm	2	4.30	3.55		30.53		
					Total Qty	30.53	1285.20	39237.16
KSRB 14-17.2 : Providing skirting, dadoing, rises of steps with colour glazed tiles 15x15cmc 6mm on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16,14.17								
RO Plant Wall (By deducting Rolling Shutter = 2.40m)	Sqm	2	13.30		0.15	3.99		
					Total Qty	3.99	1157.76	4619.46
KSRB15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications.								
RO Plant Qty of item no 21 & 22 (Celling And Inside Wall)	Sqm					121.65		
					Total Qty	121.65	27.00	3284.55
Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of all materials, cost of labour and scaffolding etc., complete as per the specification. Area to be considered -								
RO Plant Qty of item no 21 & 22 (Celling And Inside Wall)	Sqm					121.65		
					Total Qty	121.65	60.84	7401.19
KSRB 15-15.1 : Providing and applying painting with primer in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.								
RO Plant Qty of item no 21 & 22 (Celling And Inside Wall)	Sqm					121.65		
					Total Qty	121.65	97.20	11824.38
KSRB 15-15.2 : Extra over Item 15-15.1 for painting two coats with plastic emulsion paint of approved brand and shade on ceiling and / or sloping roof as per specifications.								
RO Plant Qty of item no 21 & 22 (Celling And	Sqm					121.65		
					Total Qty	121.65	4.32	525.53
Providing textured paint of approved quality, colour and shade to wall surface after cleaning and rubbing the wall surface with wire brush of medium size emery stone to remove all the loosely adhering particles, the surface is then cleaned with water and ensured that it is in line and level. The textured material is then mixed with 40-50% of clean water until a homogeneous thick slurry is formed, the slurry is left for 5-10 min, to react completely with ingredients. The textured finish prepared as above is then applied to the wall surface with suitable roller/spray gun/putty/ blade/ trowel to get the desired finish. The finished surface shall be applied with two coats of exterior paint of approved shade. The rate includes providing and removing scaffolding, all lead and lift and all other incidental charges (Item No.15.105, Page No.125, SR: 2016-17)								

Scanned by CamScanner

RO Plant								
Qty of item no 20 (Outside Wall)	Sqm					162.14		
					Total Qty	**162.14**	**375.84**	**60,938.70**
KSRB 15-18.1 : Applying red lead ready mix priming coat over new steel or other metal surface including preparing the surface after throughly cleaning oil, grease, dirt and other foreign matter, and scoured with wire brushes, fine steel wool, sand papers including cost of materials, labour, complete as per specifications.(P.No- 121,lt. No-15.73 of KPWD S.R 2016-17)								
RO Plant								
Rolling Shutter	Sqm	4	2.40		2.60	24.96		
		2	2.40		0.80	3.84		
					Total Qty	**28.80**	**31.32**	**902.02**
KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications.(P.No- 121,lt. No-15.74 of KPWD S.R 2016-17)								
RO Plant								
Rolling Shutter	Sqm	4	2.40		2.60	24.96		
		2	2.40		0.80	3.84		
					Total Qty	**28.80**	**88.56**	**2,550.53**
KSRB 8.6-7: Providing and fixing on wall surface 4.0 kg I sq.cm H.D.P.E. rain down water pipes 110mm outer dia. approved make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labour, complete as per specifications								
RO Plant								
Pipe for terrace rein water	M	8	4.00			32.00		
					Total Qty	**32.00**	**613.44**	**19,630.08**
KSRB 13-11.1 : Providing and placing on terrace, polyethylene water storage tanks as per IS 12701 :1996 with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per spedfications.(For1000 litre capacity) Specification No.KBS 13.22								
RO Plant								
Tank	Nos	4				4.00		
					Total Qty	**4.00**	**9144.36**	**36577.44**
Supply of water purification unit , installation and commissioning 1000LPH with Chloride Plant with mild steel vessel without UV								
RO Plant	Nos	2				2.00		
					Total Qty	**2.00**	**615000.00**	**1230000.00**
Additional price for installation of Ultra Voilet System								
RO Plant	Nos	2				2.00		
					Total Qty	**2.00**	**10000.00**	**20000.00**
Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the wallsetc.)								
20mm Pipe(I.tm No.13.86.2, P.No.96, SR:2016-17)	M	2	45.00			90.00	226.80	20412.00
25mm Pipe(I.tm No.13.86.3, P.No.96, SR:2016-17)		2	45.00			90.00	270.00	24300.00
32mm Pipe(I.tm No.13.86.4, P.No.96,		2	40.00			80.00	334.80	26784.00

Electricals Work for RO Plant

Scanned by CamScanner

Concealed Conduit System Supplying heavy gauge PVC conduit pipe 19/20mm dia 2mm thick conforming to IS 2509 with suitable size bends, metal/PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipes ends should be covred using PVC end enclosures. run with 18SWG GI fish wire wherever necessary.19/20mm dia 2mm thick(P.No-2 ,I No-1.2.1 of PWD S.R 2014-15)								
PVC conduit pipe 9/20mm	Rmt	2	40.0			80.00	43.0	3,440.00
Wiring for lighting/power circuit using one of FRLS PVC insulated 1100v grade, multistrand Copper conductor single core cable in open or concealed system of wiring with specified IS-694:1990 & conforming to GTP of (,I No-2.5 of PWD S.R 2014-15)								
Group-A.								
1.0 Sqm	Rmt	2	100.0			200.00	13.0	2,600.00
2.5Sqm		2	70.0			140.00	29.2	4,088.00
4.0Sqm		2	30.0			60.00	42.1	2,526.00
1 Point wiring using Copper wire without switch.Supplying and wiring adopting loop system in existing PVC Conduit/casing capping using 1100V Grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2x1.5 Sq.mm Cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose lenght in a wood/PVC round block. complete for each outlet.(5/2.3)(I No-2.3 Pg No. 5of PWD S.R 2014-15)								
Using class A materials								
Short point up to 3mtrs from tapping	Each Point	8				8.00	144.00	1,152.00
Medium point a above 3mtr up to 6mtr		4				4.00	215.00	860.00
Long point a above 6mtr up to 10mtr from tapping point to out let via switch		2				2.00	334.00	668.00
2 Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate.. Is 3854 and IS 1293. (16/3.7) (Page No - 16, I No-3.7of PWD S.R 2014-15)								
6Amps SP Switch (I No-3.7.1 of PWD S.R 2014-15)	Nos	4				4.00	63.0	252.00
6Amps 3way 5 pin socket (I No-3.7.3 of PWD S.R 2014-15)		4				4.00	95.0	380.00
16Amps SP Switch (I No-3.7.7 of PWD S.R 2014-15)		6				6.00	114.0	684.00
16Amps 3way 5 pin Socket (I No-3.7.10		6				6.00	147.0	882.00
3 Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP B 3.7.18) 1000-1200Watts Dimmer(I No-3.7, Page no. 16 of PWD S.R 2014-15)	Each	12				12.00	447.00	5,364.00
4 Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 6.16.1) 5-32Amps SP(I No-6.2, Page no. 54 of PWD S.R 2014-15)	Each	4				4.00	418.00	1,672.00
5 Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia (I No-7.1, Page no. 55 of PWD S.R 2014-15)								
	No							

Scanned by CamScanner

	No	4				4.00	2727.00	10,908.00
Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers. 6.7.1) 16Amps(I No-6.7, Page no. 44 of PWD S.R 2014-15)								
	Each	2				2.00	120.00	240.00
Supply patty type fluorescent tube light fitting of 4'-36/40 watts fluorescent tube fitting, made out of M.S sheet and stove enameled with low loss open construction copper wound ferromagnetic ballast, starter, locking type brass contact holders mounted on double fold type sheet base fully wired for use on230 Volts A C Supply including 1No 4'-36/40 Watts fluorescent tube. c) Group 'C' KPWD SR (Ele) 2010-11								
	Each	10				10.00	340.00	3,400.00
SHORT POLES: (whereas clearance between Messenger wire and ground is inadequate) a) Supplying and fixing 40mm diat 2.90 thick GI pipe 1.8m long complete with atleast 2 GI pipe 1.8m, long complete with atleast 2 Nos of through bolts 12 mm dia with MS back plate 100x100x6mm dia with eye bolt fixed at top deadeninding messenger wire with masonary patch work etc., complete as per approved drawing (for single phase installations)								
	Each	2				2.00	525.00	1,050.00
INSULATED CABLE ON MESSENGER WIRE Using 2 single core wires for a single phase and 4 single core wires for 3 phase. Supplying and stringing PVC insulated and PVC sheathed 650/1100V class aluminium conductor of size supported by 3.15mm (10 SWG) GI messenger wire with two break insulators one at each end of the span with suspenders at intervals of 0.75m. Each suspender shall be of porcelain reel insulator of suitable core through which insulated wire passes(single core or twin core as the case may be) and this reel insulator shall be fixed to the messenger wire using 2mm (No.14SWG) GI wire suitably bent and twisted. Separate reely insulator shall be provided for each wire, the messenger wire shall be ded-ended on the clamp provided to the departmental pole wide item No.4 above.(Page No.56 item No.5 a)Single Phase using 2 Wire e) 16 Sqmm								
	Rmt	2	30			60.00	85.00	5,100.00
								2651960.33
PART-2								
KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water cum supply, sanitary lines and electrical conduits either in pits or in trenches1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m.after breaking of clods complete as per specifications,specification. No. KBS 2.1(b)/2:3.5								
RO Plant	Cum	4	2.00	2.00	2.20	35.20		
For Footing								
For SSM Foundation		1	16.50	1.00	1.00	16.50		
Wall		1	4.70	1.50	0.20	1.41		
Front Platform					**Total Qty**	**53.11**		
		4	0.20	0.45	1.00	0.36		
Deduction					**Total Qty**	**0.36**		
					Total Qty	**52.75**	**405.64**	**21397.51**
KSRB 4-1.2 : Providing and laying in position plain cement concrete of cum mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2								
RO Plant		4	1.80	1.80	0.15	1.94		
For Footing								
For SSM Foundation		1	16.50	1.00	0.15	2.48		
long wall								

Scanned by CamScanner

For Flooring	Cum	1	4.30	3.55	0.15	2.29		
Front Platform		1	4.70	1.50	0.15	1.06		
					Total Qty	7.77		
Deduction		4	0.20	0.45	0.15	0.05		
					Total Qty	7.71	5449.68	42029.29
KSRB 5.2-2 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13								
RO Plant								
For SSM Foundation	Cum							
Wall		1	16.50	0.80	0.40	5.28		
		1	16.50	0.60	0.40	3.96		
					Total Qty	9.24		
Dedection								
Column		4	0.20	0.45	0.80	0.29		
					Total Qty	0.29		
					Total Qty	8.95	4521.96	40480.59
KSRB 5.3-3: Providing and constructing granite / trap / basalt size stone masoniy in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13)								
RO Plant								
For SSm Foundation	Cum							
Wall		1	16.50	0.45	0.40	2.97		
Front Platform		1	3.00	0.45	0.20	0.27		
					Total Qty	3.24		
Dedection								
Column		4	0.20	0.45	0.40	0.14		
					Total Qty	0.14		
					Total Qty	3.10	5405.40	16735.12
SRB 4.2.1: Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super piasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspiliars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1,4.6								
RO Plant								
For Footing	Cum	4	1.80	1.80	0.45	5.83		
F1								
Cloumn up to plinth level		4	0.20	0.45	1.65	0.59		
C1								
Plinth Beam		1	16.50	0.20	0.40	1.32		
Wall					Total Qty	7.75	6718.68	52042.90
KSRB 2.3: Filling available excavated earth (excluding rock) in sides cum of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification. No. KBS 2.9								
RO Plant								
50% of Total Earth Excavation	Cum					26.38		

Scanned by CamScanner

							Total Qty	26.38	137.16	3617.60
	KSRB 2.5 : Earthwork excavation in all soil deposits and filling sides of foundation upto plinth in layers not exceeding 20cms. in depth, compacting each deposited layer by ramming after watering with all lead and lift including cost of all labour complete as per specifications, specification. No. KBS 2.9.9/2.9.10.1/2.1.1									
	RO Plant									
	For Flooring	Cum	1	4.30	3.55	1.10	16.79			
							Total Qty	16.79	274.32	4,606.24
	KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, Unties, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fiHets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications,specification No. KBS 4.1, 4.6									
	RO Plant									
	Column		4	0.20	0.45	3.00	1.08			
	C1									
	Lintel Beam		1	16.50	0.20	0.15	0.50			
	wall									
	Roof Beam	Cum	2	5.70	0.20	0.35	0.80			
	Beam 1		2	3.55	0.20	0.35	0.50			
	Beam 2									
	Roof Slab		1	5.70	3.75	0.15	3.21			
	Slab						Total Qty	6.08	6876.36	41782.48
9	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded cum granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, nciuding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2									
	RO Plant									
	Copping		1	16.50	0.45	0.10	0.74			
	Foundation	Cum	1	4.70	1.50	0.10	0.71			
	Front Platform						Total Qty	1.45	5876.28	8505.92
0	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2									
	For Footing for RO Plant									
	Column Footing	Sqm	4	7.20		0.45	12.96			
	F1						Total Qty	12.96	249.48	3233.26
1	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, Sqm. propping etc., for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2									
	For Columns for RO Plant									
	C1	Sqm	4	1.40		4.70	26.32			
							Total Qty	26.32	395.28	10,403.77
2	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons.up to 3.50m from Ground level. Specification No. KBS 4.6.2									
	RO Plant									
	Roof Slab		1	5.70	3.75		21.38			

Scanned by CamScanner

Roof Beam Bottom	Sqm							
Beam 1		2	1.00		0.20	0.40		
					Total Qty	**21.78**	**338.04**	**7,360.82**
KSRB 4-6.9 Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2								
RO Plant								
Roof Slab Edges	Sqm	1	18.90		0.16	3.02		
					Total Qty	**3.02**	**732.24**	**2,214.29**
KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, Sqm propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2								
RO Plant								
Plinth Beam								
wall		1	16.50		0.70	11.55		
Lintel Beam								
wall	Sqm	1	16.50		0.40	6.60		
Roof Beam								
Beam 1		2	5.70		0.70	7.98		
Beam 2		2	3.55		0.70	4.97		
					Total Qty	**31.10**	**276.48**	**8,598.53**
KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 TMT bars Fe 500								
RO Plant								
Steel								
For One Cum 140Kgs of Concrete Qty Sl no 5	Tonne	1	1.08			1.08		
For One Cum 140Kgs of Concrete Qty Sl no 8		1	0.85			0.85		
					Total Qty	**1.94**	**65455.56**	**126664.04**
5 KSRB 5-14: Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200mm having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to JS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 \ including cost of ail materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No.54.(Page No. 25, It No. 5.26.1 of KPWD S.R 2016-17)								
RO Plant								
Wall								
wall		1	16.50		2.70	44.55		
					Total Qty	**44.55**		
	Sqm							
Deduction								
Rolling Shutter		1	2.40		2.60	6.24		
					Total Qty	**6.24**		
					Total Qty	**38.31**	**1011.96**	**38,768.19**
7 KSRB 5-15: Providing and constructing non load bearing wall with solid Sqm concrete blocks of size 400x100x200mm having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No.5.4.(Page No. 25, It No. 5.28 of KPWD S.R 2016-17)								
RO Plant								
Parapet Wall	Sqm	1	18.90		0.70	13.23		
					Total Qty	**13.23**	**773.28**	**10,230.49**

Scanned by CamScanner

KSRB 7.5 : Providing and fixing pull and push type rolling shutters of approved make out of 18 guage, 75mm wide cold rolled steel laths of convex corrugation, with side guides and bottom rail, with interlocking arrangements for steel laths by means of alternate clips; suspension shaft with High tension coil type springs two numbers, mounted on specially designed pipe shaft, with bracket plates, guide channels, ball bearing arrangements, for inside & outside locking with push & pull operations complete including pulling hooks, 4Nos. handles with all fittings and accessories, painted with a coat of red lead paint (without top cover) cost of materials, labour, HOM of machinery complete as per specifications. Shutter size 3mx2.8 m Specification No. KBS 7:107 7.12								
RO Plant								
Rolling Shutter	Sqm	1	2.40		2.60	6.24		
					Total Qty	6.24	3090.96	19,287.59
KSRB 7.6 : Providing and fixing top covers made out of 20 guage M.S. sheet over pull and push rolling shutters bent to shape including cost of red lead primer coat of painting , materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 7.10.6/7.12								
RO Plant								
Rolling Shutter	M	1	2.40			2.40		
					Total Qty	2.40	510.84	1,226.02
KSRB 15-3.10 : Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, including providing and removing scaffolding, cost of materials, labour, curing etc., complete as per specification								
RO Plant								
Out Side								
Wall								
Parapet Wall		1	17.40		3.15	54.81		
Front Platform		2	19.00		0.80	30.40		
	Sqm	1	3.00		0.70	2.10		
Deduction					Total Qty	87.31		
Rolling Shutter								
		1	2.40		2.60	6.24		
					Total Qty	6.24		
					Total Qty	81.07	252.72	20488.01
KSRB15-3.7 : Providing 18mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specification								
RO Plant								
In Side								
Wall								
		1	15.70		3.00	47.10		
Deduction	Sqm				Total Qty	47.10		
Rolling Shutter								
		1	2.40		2.60	6.24		
					Total Qty	6.24		
					Total Qty	40.86	263.52	10767.43
KSRB 15-3-13 : Providing 12mm thick cement piaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, including providing and removing scaffolding, cost of materials, labour, curing etc., complete as per specification.								
RO Plant								
Celling								
Room								
Front Side Roof Slab	Sqm	1	4.30	3.55		15.27		
		1	4.70	1.00		4.70		
					Total Qty	19.97	208.44	4161.50

Scanned by CamScanner

KSRB 7.15 : Providing, fabricating, assembling and fixing in position aluminium partitions using aluminium sections of mat finish or glassy finish in combination of plain grove, single grove and double grove as per requirements for the frames of overall size 63.5mm x 38.1 mm. with thickness of 2mm. having section weight, plain sections 1.054kg/m, single grove thickness 1.95mm. section weight 1.094kg/m» double grove thickness 1 9mm section weight 1.094kg/m and bottom member 114.3 mm. x 44.45mm. thickness 3.18mm. weight 2.646 kg/m; aluminium louvres section of size 36. 5mmx34.93mm 1.45mm. thick section weight 0.429kg/m; bottom portions provided with 12mm. thick prelaminated sheet both sides of approved colour lamination exterior grade upto G.9m height, spacing of vertical member not exceeding 0.6 m. c to c; sections are cut to the required lengths, joints mitered and corners grinded subdividing frames tennoned and rivetted to the frames; the assembled frame stiffened with corner angles, stripped and fixed with screws, raw! plugs and teak wood gutties to R.C.C.columns on sides, R.C.C. lintels or beams at top and floor at bottom, including cutting chistelling and making good with cement mortar to match the surface; providing and fixing 5.5mm. thick plain glass for middle portion viz., fr.9m. to 2.13 m. and top panel with louvres sections; the glass and panels fitted with glazing clips of 19mmx17.3mm. of thickness 0.9mm. weight 0.124kg/m, aluminium sections treated for removal of any rust and prevention of further rust formation, coated with greasy materials for non-adherence of mortars or any other sticky materials; vertical members embedded in the flooring by making suitable sized holes and fixing with cement mortar, with necessary opening for fixing of door of standard size (excluding cost of door) all the frame thoroughly cleaned, free from rust, scale or dirt including cost of materials, fixtures, labour and HOM of machinery complete as per specifications.using aluminium section powdered coated to a minimum of 60-70 microns with exterior durable pure polyester grade powder of approved quality.

RO Plant								
Partitions	Sqm	1	4.00		2.80	11.20		
					Total Qty	**11.20**	**3566.16**	**39,940.99**

KSRB 7.17 : Providing, fabricating, assembling and fixing in position aluminium doors using following, aluminium mat finish or glossy finish, outer frame plain section 101.6x44.45mm thickness . 3.18mm, section weight 2.404 kg/m, door shutters vertical section 44.62x44.45mm thickness 3.18mm, section weight 1.505kg/m, top . section 47.62x44.45mm thickness 3.00mm, section weight 1.426kg/m bottom section 114.3x44.45 thickness 3.18mm, section weight 2.646kg/m, door central section 49.91 x44.45mm thickness 3.00mm, section weight 1.495 kg/m glazing clips 19x17.3x11 mm thickness 0.9mm section weight 0.124kg/m; aluminium sections cut to length joint metred corners grinded, the shutters pivoted opening arrangement with heavy duty aiuminium alloy automatic door closures floor mounted, providing and fixing standard approved accessories, such as aluminium handle for full width or length, tower bolts, lock, pivots: P.V.C. or rubber gasket with 5.5m. thick plain glass for top and bottom panel; aluminium sections treated for removal of any rust and prevention of further rust formation, and coated with greasy materials for n on-ad h era nee of mortars or any other sticky materials; the assembled frame fitted with the corner angles, strips and fitted with screws, rawl plugs orteakwood gutties to R.C.C. columns or masonry on sides, beams and flooring in bottom, including cutting, chistling and making good with cement mortar to match the surface; all the frames throughly cleaned free from rust, scale, or dirt including cost of materials, fixtures, labour and HOM of machinery complete as per specifications.using aluminium section powdered coated to a minimum of 60-70 microns with exterior durable pure polyester grade powder of approved quality.

RO Plant								
Aluminium Doors	Sqm	1	1.00		2.10	2.10		
					Total Qty	**2.10**	**6814.80**	**14311.08**

Providing and fixing Special make glazed Vitrified tiles (Granomite Sqm finish) of approved make, quality and colour of size 600x600x10mm thick fixed on existing flooring with a special adhesive for flooring, skirting and jointed with neat cement slurry mixed with pigment to match shade of tiles, including providing spacers at required interval and removing stains etc., cost of materials, mortar, labour etc., completeas per specification

RO Plant								
Room	Sqm	1	4.30	3.55		15.27		
					Total Qty	**15.27**	**1285.20**	**19618.58**

KSRB 14-17.2 : Providing skirting, dadoing, rises of steps with colour glazed tiles 15x15cmc 6mm on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16,14.17

Scanned by CamScanner

RO Plant Wall (By deducting Rolling Shutter = 40m)	Sqm	1	13.30		0.15	2.00		
					Total Qty	2.00	1157.70	2309.61
KSRB15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications.								
RO Plant Qty of item no 21 & 22 (Celling And Inside Wall)	Sqm					60.83		
					Total Qty	60.83	27.00	1642.28
Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of all materials, cost of labour and scaffolding etc., complete as per the specification.								
RO Plant Qty of item no 21 & 22 (Celling And Inside Wall)	Sqm					60.83		
					Total Qty	60.83	60.48	3678.70
KSRB 15-15.1 : Providing and applying painting with primer in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.								
RO Plant Qty of item no 21 & 22 (Celling And Inside Wall)	Sqm					60.83		
					Total Qty	60.83	97.20	5912.19
KSRB 15-15.2 : Extra over Item 15-15.1 for painting two coats with plastic emulsion paint of approved brand and shade on ceiling and / or sloping roof as per specifications.								
RO Plant Qty of item no 21 & 22 (Celling And Inside Wall)	Sqm					60.83		
					Total Qty	60.83	4.32	262.76
Providing textured paint of approved quality, colour and shade to wall surface after cleaning and rubbing the wall surface with wire brush of medium size emery stone to remove all the loosely adhering particles, the surface is then cleaned with water and ensured that it is in line and level. The textured material is then mixed with 40-50% of clean water until a homogeneous thick slurry is formed, the slurry is left for 5-10 min, to react completely with ingredients. The textured finish prepared as above is then applied to the wall surface with suitable roller/spray gun/putty/ blade/ towel to get the desired finish. The finished surface shall be applied with two coats of exterior paint of approved shade. The rate includes providing and removing scaffolding, all lead and lift and all other incidental charges (Item No.15.105, Page No.125, SR: 2016-17)								
RO Plant Qty of item no 20 (Outside Wall)	Sqm					81.07		
					Total Qty	81.07	375.84	30,469.35
SRB 15-18.1 : Applying red lead ready mix priming coat over new steel or other metal surface cluding preparing the surface after throughly cleaning oil, grease, dirt and other foreign matter, and oured with wire brushes, fine steel wool, sand papers including cost of materials, labour, complete per specifications.(P.No- 121,It. No-15.73 of KPWD S.R 2016-17)								
Plant lling Shutter	Sqm	2	2.40		2.60	12.48		
		1	2.40		0.80	1.92		
					Total Qty	14.40	31.32	451.01
RB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over v steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and er foreign matter, including cost of materials, labour, complete as per specifications.(P.No- 121,It. 15.74 of KPWD S.R 2016-17)								
Plant lling Shutter	Sqm	2	2.40		2.60	12.48		
		1	2.40		0.80	1.92		
					Total Qty	14.40	88.56	1,275.26

Scanned by CamScanner

KSRB 8.6-7: Providing and fixing on wall surface 4.0 kg I sq.cm H.D.P.E. rain down water pipes 110mm outer dia. approved make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labour, complete as per specifications.								
RO Plant								
Pipe for terrace rein water	M	4	4.00			16.00		
					Total Qty	16.00	613.44	9,815.04
KSRB 13-11.1 : Providing and placing on terrace, polyethylene water storage tanks as per IS 12701 :1996 with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per spedfications.(For1000 litre capacity) Specification No.KBS 13.22								
RO Plant								
Tank	Nos	2				2.00		
					Total Qty	2.00	9144.36	18288.72
Supply of water purification unit , installation and commissioning 1000LPH with Chloride Plant with mild steel vessel without UV								
RO Plant								
	Nos	1				1.00		
					Total Qty	1.00	615000.00	615000.00
Additional price for installation of Ultra Voilet System								
RO Plant								
	Nos	1				1.00		
					Total Qty	1.00	10000.00	10000.00
Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the wallsetc.)								
20mm Pipe(I.tm No.13.86.2, P.No.96, SR:2016-17)	M	1	45.00			45.00	226.80	10206.00
25mm Pipe(I.tm No.13.86.3, P.No.96, SR:2016-17)		1	45.00			45.00	270.00	12150.00
32mm Pipe(I.tm No.13.86.4, P.No.96, SR:2016-17)		1	40.00			40.00	334.80	13392.00
Electricals Work for RO Plant								
Concealed Conduit System Supplying heavy gauge PVC conduit pipe 19/20mm dia 2mm thick conforming to IS 2509 with suitable size bends, metal/PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipes ends should be covred using PVC end enclosures. run with 18SWG GI fish wire wherever necessary.19/20mm dia 2mm thick(P.No-2 ,I No-								
PVC conduit pipe 9/20mm	Rmt	1	40.0			40.00	43.0	1,720.00
Wiring for lighting/power circuit using one of FRLS PVC insulated 1100v grade, multistrand Copper conductor single core cable in open or concealed system of wiring with specified IS-694:1990 & conforming to GTP of (,I No-2.5 of PWD S.R 2014-15)								
Group-A.								
1.0 Sqm	Rmt	1	100.0			100.00	13.0	1,300.00
2.5Sqm		1	70.0			70.00	29.2	2,044.00
4.0Sqm		1	30.0			30.00	42.1	1,263.00
Point wiring using Copper wire without switch.Supplying and wiring adopting loop system in existing PVC Conduit/casing capping using 1100V Grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2x1.5 Sq.mm Cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose lenght in a wood/PVC round block. complete for each outlet.(5/2.3)(,I No-2.3 Pg No. 5of PWD S.R 2014-15)								
Using class A materials								
Short point up to 3mtrs from tapping point to out let via switch		4				4.00	144.00	576.00

Scanned by CamScanner

Medium point a above 3mtr up to 6mtr from tapping point to out let via switch	Each Point	2				2.00	215.00	430.00
Long point a above 6mtr up to 10mtr from tapping point to out let via switch		1				1.00	334.00	334.00
Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate.. Is 3854 and IS 1293. (16/3.7) (Page No - 16, I No-3.7of PWD S.R 2014-15)								
6Amps SP Switch (I No-3.7.1 of PWD S.R 2014-15)	Nos	2				2.00	63.0	126.00
6Amps 3way 5 pin socket (I No-3.7.3 of PWD S.R 2014-15)		2				2.00	95.0	190.00
16Amps SP Switch (I No-3.7.7 of PWD S.R 2014-15)		3				3.00	114.0	342.00
16Amps 3way 5 pin Socket (I No-3.7.10 of PWD S.R 2014-15)		3				3.00	147.0	441.00
Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP B 3.7.18) 1000-1200Watts Dimmer(I No-3.7, Page no. 16 of PWD S.R 2014-15)								
	Each	6				6.00	447.00	2,682.00
Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 6.16.1) 5-32Amps SP(I No-6.2, Page no. 54 of PWD S.R 2014-15)								
	Each	2				2.00	418.00	836.00
Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia (I No-7.1, Page no. 55 of PWD S.R 2014-15)								
	No	2				2.00	2727.00	5,454.00
Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers. 6.7.1) 16Amps(I No-6.7, Page no. 44 of PWD S.R 2014-15)								
	Each	1				1.00	120.00	120.00
Supply patty type fluorescent tube light fitting of 4'-36/40 watts fluorescent tube fitting, made out of I.S sheet and stove enameled with low loss open construction copper wound ferromagnetic ballast, starter, locking type brass contact holders mounted on double fold type sheet base fully wired for use on 230 Volts A C Supply including 1No 4'-36/40 Watts fluorescent tube. Group 'C' KPWD SR (Ele) 2010-11								
	Each	5				5.00	340.00	1,700.00
SHORT POLES: (whereas clearance between Messenger wire and ground is inadequate) a) Supplying and fixing 40mm diat 2.90 thick GI pipe 1.8m long complete with atleast 2 GI pipe 1.8m, long complete with atleast 2 Nos of through bolts 12 mm dia with MS back plate 100x100x6mm dia with eye bolt fixed at top deadeninding messenger wire with masonary patch work etc., complete as per approved drawing (for single phase installations)								
	Each	1				1.00	525.00	525.00

Scanned by CamScanner

SULATED CABLE ON MESSENGER WIRE Using 2 single core wires for a single phase and 4 ngle core wires for 3 phase. Supplying and stringing PVC insulated and PVC sheathed 650/1100V ase aluminium conductor of size supported by 3.15mm (10 SWG) GI messenger wire with two eak insulators one at each end of the span with suspenders at intervals of 0.75m. Each suspender hall be of porcelain reel insulator of suitable core through which insulated wire passes(single core or ain core as the case may be) and this reel insulator shall be fixed to the messenger wire using 2mm ia 14SWG) GI wire suitably bent and twisted. Separate reely insulator shall be provided for each ire, the messenger wire shall be ded ended on the clamp provided to the departmental pole wide em No 4 above (Page No 56 Item No.5 a)Single Phase using 2 Wire s) 16 Sqmm								
	Rmt	1	30			30.00	85.00	2,550.00
								1325958.15
art - 3 Borewell and Pipeline								
eophysical investigation of site for sinking borewell for supplying drinking water to the habitation ther through the hand pump, MWS or P.W.S.S. by vertical electrical sounding by adopting venner schlumbergers's method, including reconnaissance survey of geological formation, Geological vestigation of existing ground water in vicinity, its quality, quantity & acceptability of the users dicating the location of site, recommended depth of casing pipe required to seal the top nconsolidated formation including an extra depth of 1.0 mtr in consolidated formation for proper ating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, obable yield and other information required including transportation of instrument and accessories								
	nos	4				4	2032.56	8130.00
Basic Rate	2032.56							
nking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 0 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap th necessary cutting, threading & welding including transportation of rig and supporting vehicle, ew charges & cost of consumables etc., complete including yield testing at the final depth with nimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc.,) NO-47, I.NO-9.1, PRED 12-13 SR)								
00 to 50.00 Mtr.	Mtr	4	50.00			200.00	330.48	66096.00
.00 to 100.00 Mtr.	Mtr	4	50.00			200.00	432.00	86400.00
0.00 to 150.00 Mtr.	Mtr	4	50.00			200.00	480.60	96120.00
0.00 to 200.00 Mtr.	Mtr	4	50.00			200.00	507.60	101520.00
0.00 to 250.00 Mtr.	Mtr	4	50.00			200.00	587.52	117504.00
0.00 to 300.00 Mtr.	Mtr	4	50.00			200.00	629.64	125928.00
0.00 to 350.00 Mtr.	Mtr	4	50.00			200.00	780.00	156000.00
Basic Rate	330.48							
pplying of ISI Mark 175 mm nominal bore medium black ERW casing pipe of 5mm thick black ectric resistance continous welded midle steel tube material confirming to IS 1387/1993 and anufactured from hot rolled steel skelp/stripes in random length of 4 to 7 mtr both ends threaded nfirming to IS 554/1985 one end(including of all taxes) (P.NO-III, I.NO-84, PRED 12-13 SR)								
	Mtr	4	45.00			180.00	1325.00	238500.00
Basic Rate	1325.00							
oviding and fixing 250mm dia PVC pipe and as per specification and directions. (BWSSB SR 13- , P.No.53 I.no.1 of sl.no.11.)								
	Each	4	9.00			36.00	1133.00	40788.00
Basic Rate	1100.00							
3% area weightage	33.00							
Total	1133.00							
5 mm dia M.S. Casing cap (P.NO-III, I.NO-85, PRED 12-13 SR)								

Scanned by CamScanner

	Each	4				4.00	100.00	400.00
Basic Rate	100.00							

ly of 175mm M.S collars each (P.NO-III, I.NO-86, PRED 12-13 SR)

	Each	4	40.00			160.00	150.00	24000.00
Basic Rate	150.00							

ply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha e suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia wells compressing of single stage or multistage CF pump close coupled by means of stainless l coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water rrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC ly fitted with required accessories such as suction, casing, suction strainers, sand guard. Non m valve etc Complete the pump and motor shall from an integral unit with all the required fittings 00. HP 25 stage **(P.NO-XXXX, I.NO-30, PWD SR-2016-17)**

	set	4				4.00	69334.60	277338.00
Basic Rate	65410.00							
6% area weightage	3924.60							
Total	**69334.60**							

viding, laying & jointing GI pipes confirming to IS specification of approved make with fittings such collars bends elbows tees nipples plugs with cuts threads using white lead & threads for joints rever necessary as per direction including all lead & lift etc,. complete 'A' grade(excluding cost of gs)b50mm dia GI pipe **(PWD SR-2014-15, P.No.XVII Sl.no. 509)**

	Rmtr	4	250.00			1000.00	340.26	340260.00
Basic Rate	321.00							
6% area weightage	19.26							
Total	**340.26**							

plying and drawing 3 core PVC Sheathed submersible pump cable manufactured with electrolytic de copper with flexible copper conductor confirming to table 3 class 5 of IS: 8130-1984 and virgin de PVC insulation and sheathed suitable for working voltage upto 1100 volts 4 sqmm of 56 nds 0.3mm dia (P.NO-535, I.NO-30 (c), Group A BWSSB 13-14 SR)

	Mtr	4x2	254.00			2032.00	164.29	333827.00
Basic Rate	159.50							
3% area weightage	4.79							
Total	**164.29**							

plying & delivery at site brand new / Essen / Lotus sunsines/Adarsh/ Gk controls best indigenous ce combine energy meter-cum-control panel board unit of size 1200 x 600 x 300 mm minimum chanically strong and vermin and water proof the unit shall have two detachable doors suitable for ration on 3ph, 50Hz, 380/440 volts, AC supply with spring loaded latch locking with a key ribs uld be provided inside the door , canopy apron and louvers ventilators shall be provided the nbine energy mtr cum control panel board unit suitable for operation on 3ph, 50Hz, 380/440 AC ply shall be consisted etc,. completed T panel board shall be fabricated on single unit in the ve components panel board for suitable npset above 6.50 HP to 15.00 HP with star delta starter (MR)

	no	4				4.00	14800.00	59200.00

oricating supplying and mounting MS box of 16 SWG suitable for floor / wall mounting, fully ather proof with provision for better hear description, (providing with hinged front cover, equipped h tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe h gland and box should be finished 2 coats of red oxide primes paint and finally finished with proved colour enamelled metal paint etc,. complete box of 21600 sq cm (P.NO-530, I.NO-39 b, VSSB SR 13-14)

1 borewell	Sqm Cm	4	1100.00	20.00		88000.00		

Scanned by CamScanner

Basic Rate	0.33					88000.00	0.34	29911.00
3% area weightage	0.01							
Total	**0.34**							
Providing & Fixing of clamps set and borewell cap to the pump (MR)								
	No's	4				4.00	690.00	2760.00
Supplying & delivery of brand new best make non return valve of size 50mm as per IS: 778/84 with latest amendments with ISI mark (50mm Gate wheel Valve. **(PWD SR-2015-16, P.NO.XXIII, Sl.no, 672)**								
	No's	4	2.00			8.00	1213.70	9710.00
Basic Rate	1145.00							
6% area weightage	68.70							
Total	**1213.70**							
Supplying and delivery of brand new best make Gate Valve of size 50mm as per IS: 778/84 with latest amendments with ISI mark . 50mm Gate Valve for distributer pipeline. 50mm dia **(PWD SR-2015-16, P.NO.XXIII, Sl.no, 673)**								
	No's	4	2.00			8.00	1696.00	13568.00
Basic Rate	1600.00							
6% area weightage	96.00							
Total	**1696.00**							
Providing and fixing of 50mm GI Shortbend to motor (PWD SR-2014-15, P.NO.XXXIX, G.I. Pipe Fittings - ISI Standards Table)								
	No's	4	2.00			8.00	232.14	1857.12
Basic Rate	219.00							
6% area weightage	13.14							
Total	**232.14**							
Providing and fixing of 50mm GI union to the motor (PWD SR-2014-15, P.NO.XXXIX, G.I. Pipe Fittings - ISI Standards Table)								
	No's	4	2.00			8.00	237.12	1897.00
Basic Rate	223.70							
6% area weightage	13.42							
Total	**237.12**							
Supplying & fixing of 50mm GI Elbow **PWD SR 15-16 XXXIX**								
	No's	4				4.00	111.80	447.00
Labour charges for erection of new /repaired submersible pumpset along with GI pipes (32/50mm) cable (new submersible pumpset if required will be supplied by the department free of cost and released pump set should be handed over to department) including transportation (each length = 8.00m) (P.No - 564, I.No - 3, BWSSB SR 13-14)								
	Per length	4	58.00			232.00	90.64	21028.00
Basic Rate	88.00							
3% area weightage	2.64							
Total	**90.64**							
Erection of combined panel board meter board with all necessary materials and labour including providing CC 1:3:6 foundation bed etc,. Complete for basement out door type. (MR)								
	No's	4	1.00			4.00	475.00	1900.00
Supplying and fixing miniature circuit breakers/isolators in existing MCB distribution boards using necessary fixing materials and wiring complete as required, 40 to 63 Amps DP (P.NO - 526, I.NO - 13D (a), BWSSB SR 13-14)								
	No's	4	1.00			4.00	906.40	3626.00
Basic Rate	880.00							
3% area weightage	26.40							

Scanned by CamScanner

Total	906.40							
Supplying and laying of L.T.U.G Cable having aluminiumconductor PVC insulated shethed galvanised steel wire/ steel tape armoured cable with PVC outer sheathing 1.1 KV class 4 core 16 sqmm cable (confirming to IS 1554) (P.NO - 553, I.NO - 10 (d), BWSSB SR 13-14)								
	Mtr	4	120.00			480.00	169.95	81576.00
Basic Rate	165.00							
3% area weightage	4.95							
Total	**169.95**							
Digging of trenches of 0.6mm x 0.50 Mtrs wide refilling the trench to the required ground level and consolidating etc,. Complete sutting road surfaces (P.NO - 554, I.NO - 12 (b), BWSSB SR 13-14)								
	Mtr	4	120.00			480.00	56.65	27192.00
Basic Rate	55.00							
3% area weightage	1.65							
Total	**56.65**							
Supplying and fixing Class-A GI Pipe on pole/ wall/drain crossing with necessary clamping arrangements for UG Cable of 1.1 KV class 40mm (P.NO - 555, I.NO - 15 (b), BWSSB SR 13-14)								
	Mtr	4	3.00			12.00	249.26	2991.00
Basic Rate	242.00							
3% area weightage	7.26							
Total	**249.26**							
Supplying and fixing wiring earth electrode for grounding conduits, IC cutouts and other equipments in the meter board using 40mm dia 2.90 mm thick GI pipe 2.5 mtr long buried in a pit,/ the pit should be filled with equal proportion of salt and charocal 150 mm alround the pipe to complete depth the connections from the pipe to the conduit etc,. is to be established though GI wire of size as per ISI specification 7.3.3 of ISI 732 using 12mm dia boalts, nuts washers and checknuts etc,. the pipe shall have 16 through holes of 122mm dia (P.NO - 552, I.NO - 7 , BWSSB SR 13-14)								
	No's	4				4.00	1699.50	6798.00
Basic Rate	1650.00							
3% area weightage	49.50							
Total	**1699.50**							
Supply and fixing LT cast iron pot heads suitable for 1.1 KV class 16 sqmmUG cable filled with necessary bitumen/ insulating compound complete with terminals, clamps, bolts nuts and washers etc, (P.NO - 555, I.NO - 16 (b) , BWSSB SR 13-14)								
	No's	4				4.00	271.92	1088.00
Basic Rate	264.00							
3% area weightage	7.92							
Total	**271.92**							
Supplying shunt capacitor's confirming to IS 2834, 3phase 400/440 volts grade for power factor improvement of roating machinery capacitor in KVAR rating No's. (MR)								
	No's	4				4.00	1350.00	5400.00
Providing and fixing Gun Metal Gate wheel valve confirming to IS specification of approved make as per direction including all lead and lift etc,. Complete. 50mm dia **(P.NO - 94, I.NO - 13.79.6, PWD SR-2015-16)**								
	No's	4	2.00			8.00	1526.40	12211.00
Basic Rate	1440.00							
6% area weightage	86.40							
Total	**1526.40**							

Scanned by CamScanner

Supplying and fixing of polished wood board made of not less than 15mm thick blank on both sides with planks made out on not more than 2 pieces and fixing the same to wall using tapered inverted wooden plugs screws etc., Size 20 x 20 x 2.5 inches (P.NO - 521, I.NO - 2 (f), BWSSB SR 13-14)								
	No's	4				4.00	311.58	1246.00
Basic Rate	302.50							
3% area weightage	9.08							
Total	**311.58**							
SRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202 (Page No. 138, Item No.18.48,PW,P & IWTD SR 2016-17)								
	Cum	4.00	408.00	0.45	0.25	734.40	**827.86**	**607980.38**
Basic Rate=	781.00							
Add A.W.6%=	46.86							
Total=	827.86							
arthwork excavation for foundation of buildings, water supply, sanitary lines nd electrical conduits either in pits or in trenches 1.5m and above in width, in rdinary soil not exceeding 1.5 m in depth including dressing the bottom and des of pits and trenches, stacking the excavated soil clear from edges of cavation with lead upto 50m after breaking of clods complete as per ecifications **(P.NO - 5, I.NO - 2.3, PWD SR-2016-17)**								
	Cum	4	408.00	0.45	0.75	**550.80**	**200.34**	**110347.00**
Basic Rate	189.00							
6% area weightage	11.34							
Total	**200.34**							
SRB 13-8.1 : Providing and fixing to wall, ceiling and floor, medium density lyethylene pipes 6.00 kgs/sq.cm working pressure 50 mm outside diameter h special flange, compression type fittings, wall clips, making good the wall, iling and floor including cost of all materials, labour charges, HOM of uipments and testing complete as per specifications. Specification No.KBS .2.15.1 /13.9 for internal water supply connection**(P.NO - 93, I.NO -13.70.2, VD SR-2016-17)**								
	Mtr	4	408.00			**1632.00**	**278.78**	**454969.00**
Basic Rate	263.00							
6% area weightage	15.78							
Total	**278.78**							
RB13-3.1: Providing and fixing in trenches galvanised I mild steel tubes edium grade) 15mm dia nominal bore with all fittings (earth work in trenches be measured and paid for separately) including cost of all materials, labour arges, HOM of equipments and testing complete as per specifications. ecification No.KBS 13.2.14 /13.6 **(P.NO - 90, I.NO -13.11, PWD SR-2016-**)								
	185.00	4	200.00			**800.00**	**196.10**	**156880.00**
Basic Rate	11.10							
6% area weightage	**196.10**							
Total								

Scanned by CamScanner

Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications **(P.NO - 6, I.NO - 2.11, PWD SR-2016-17)**								
	Cum					**550.80**	**80.56**	**44372.00**
Basic Rate	76.00							
6% area weightage	4.56							
Total	**80.56**							
KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2(Page No. 12, Item No.4.3,PW,P & IWTD SR 2016-17)								
	Cum	4	408.00	0.45	0.10	**73.44**	**5159.02**	**378878.43**
Basic Rate	4867.00							
6% area weightage	292.02							
Total	**5159.02**							
Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for works laid in 15 cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.)(Page No. 18.tem No.4.49.1,PW,P & IWTD SR 2016-17)								
	Cum	4	408.00	0.45	0.10	**73.44**	**6231.74**	**457658.99**
Basic Rate	5879.00							
6% area weightage	352.74							
Total	**6231.74**							
Erection of pumping machineries **PRE SR 12-13 pg 51/10.3.20**			No			**4.00**	**900.00**	**3600.00**
KPTCL Deposit charges		L/S	4			**4.00**	13300.00	**53200.00**
Borewell registration charges per Rs 1000 each						**4.00**	**1000.00**	**4000.00**
						Part B Sub Total		**4569102.92**
Providing and fixing benches		No's	50.00				**L/s**	**460000.00**
			No's					
						PART-3 TOTAL		**5029102.92**

Scanned by CamScanner

					GRAND TOTAL PART-1+PART-2			9173402.11
KRIDL Charges 8+1% (3% + Labour cess + 1% + Applicable GST) = 11%							748870.00	825606.19
Miscellaneous and Other Charges							1290.92	991.70
					Grand total			10000000.00

(Rupees One Crore Only)

900+91.08

CERTIFICATE

1) The work spot has been inspected and the work is found necessary.
2) The Estimate is prepared as per the PRED SR 2013-14 and PW,P & IWTD SR 2016-17 and BWSSB Electrical SR 2013-14
3) The provisions were made in this estimate are necessary and adequate.
4) This works come under B.B.M.P. limits.

Asst Engineer
Ward No-13

Asst Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

ಸಂ. CE/TS/272/17-18 ದಿನಾಂಕ : 27/11/2017
ರೂ. Rs. 100.00 Lakh only
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ.
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ಸಂ. EE/DD/AS/547/17-18 ದಿನಾಂಕ: 27.11.17
ರೂ. (Rs. 100.00 Lakh) Rs. one Hundred Lakh
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

Scanned by CamScanner